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Page 1 of 7

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/559,021A

DATE: 03/11/2002

TIME: 09:51:12

Input Set : A:\Mirus.014.02.ST25.txt
Output Set: N:\CRF3\03112002\I559021A.raw

#15

3 <110> APPLICANT: WOLFF, JON
4 SOKOLOFF, ALEXANDER
6 <120> TITLE OF INVENTION: PROCESS FOR UTILIZING EPITOPES RECOGNIZED BY NATURAL
ANTIBODIES
8 <130> FILE REFERENCE: MIRUS.014.02
10 <140> CURRENT APPLICATION NUMBER: 09/559021A
11 <141> CURRENT FILING DATE: 2000-04-27
13 <160> NUMBER OF SEQ ID NOS: 125
15 <170> SOFTWARE: PatentIn version 3.1
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 11
19 <212> TYPE: PRT
20 <213> ORGANISM: Bacteriophage T7
22 <400> SEQUENCE: 1
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25 1 5 10
28 <210> SEQ ID NO: 2
29 <211> LENGTH: 27
30 <212> TYPE: PRT
31 <213> ORGANISM: Bacteriophage T7
33 <400> SEQUENCE: 2
35 Phe Gln Ser Gly Val Met Leu Gly Asp Pro Asn Ser Asp Gly Ala Leu
36 1 5 10 15
39 Arg Gln Ser Gly Arg Gly Lys Ser Ser Arg Pro
40 20 25
43 <210> SEQ ID NO: 3
44 <211> LENGTH: 23
45 <212> TYPE: PRT
46 <213> ORGANISM: Bacteriophage T7
48 <400> SEQUENCE: 3
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51 1 5 10 15
54 Lys Leu Ala Ala Ala Leu Glu
55 20
58 <210> SEQ ID NO: 4
59 <211> LENGTH: 8
60 <212> TYPE: PRT
61 <213> ORGANISM: Bacteriophage T7
63 <400> SEQUENCE: 4
65 Ala Ala Gly Ala Val Val Phe Gln
66 1 5
69 <210> SEQ ID NO: 5
70 <211> LENGTH: 343
71 <212> TYPE: PRT

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72 <213> ORGANISM: Bacteriophage T7
74 <400> SEQUENCE: 5
76 Met Ala Ser Met Thr Gly Gly Gln Gln Met Gly Thr Asn Gln Gly Lys
77 1 5 10 15
80 Gly Val Val Ala Ala Gly Asp Lys Leu Ala Leu Phe Leu Lys Val Phe
81 20 25 30
84 Gly Gly Glu Val Leu Thr Ala Phe Ala Arg Thr Ser Val Thr Thr Ser
85 35 40 45
88 Arg His Met Val Arg Ser Ile Ser Ser Gly Lys Ser Ala Gln Phe Pro
89 50 55 60
92 Val Leu Gly Arg Thr Gln Ala Ala Tyr Leu Ala Pro Gly Glu Asn Leu
93 65 70 75 80
96 Asp Asp Lys Arg Lys Asp Ile Lys His Thr Glu Lys Val Ile Thr Ile
97 85 90 95
100 Asp Gly Leu Leu Thr Ala Asp Val Leu Ile Tyr Asp Ile Glu Asp Ala
101 100 105 110
104 Met Asn His Tyr Asp Val Arg Ser Glu Tyr Thr Ser Gln Leu Gly Glu
105 115 120 125
108 Ser Leu Ala Met Ala Ala Asp Gly Ala Val Leu Ala Glu Ile Ala Gly
109 130 135 140
112 Leu Cys Asn Val Glu Ser Lys Tyr Asn Glu Asn Ile Glu Gly Leu Gly
113 145 150 155 160
116 Thr Ala Thr Val Ile Glu Thr Thr Gln Asn Lys Ala Ala Leu Thr Asp
117 165 170 175
120 Gln Val Ala Leu Gly Lys Glu Ile Ile Ala Ala Leu Thr Lys Ala Arg
121 180 185 190
124 Ala Ala Leu Thr Lys Asn Tyr Val Pro Ala Ala Asp Arg Val Phe Tyr
125 195 200 205
128 Cys Asp Pro Asp Ser Tyr Ser Ala Ile Leu Ala Ala Leu Met Pro Asn
129 210 215 220
132 Ala Ala Asn Tyr Ala Ala Leu Ile Asp Pro Glu Lys Gly Ser Ile Arg
133 225 230 235 240
136 Asn Val Met Gly Phe Glu Val Val Glu Val Pro His Leu Thr Ala Gly
137 245 250 255
140 Gly Ala Gly Thr Ala Arg Glu Gly Thr Thr Gly Gln Lys His Val Phe
141 260 265 270
144 Pro Ala Asn Lys Gly Glu Gly Asn Val Lys Val Ala Lys Asp Asn Val
145 275 280 285
148 Ile Gly Leu Phe Met His Arg Ser Ala Val Gly Thr Val Lys Leu Arg
149 290 295 300
152 Asp Leu Ala Leu Glu Arg Ala Arg Arg Ala Asn Phe Gln Ala Asp Gln
153 305 310 315 320
156 Ile Ile Ala Lys Tyr Ala Met Gly His Gly Gly Leu Arg Pro Glu Ala
157 325 330 335
160 Ala Gly Ala Val Val Phe Gln
161 340
164 <210> SEQ ID NO: 6
165 <211> LENGTH: 9
166 <212> TYPE: PRT

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167 <213> ORGANISM: Bacteriophage T7
169 <400> SEQUENCE: 6
171 Ala Ala Gly Ala Val Val Phe Gln Ser
172 1 5
175 <210> SEQ ID NO: 7
176 <211> LENGTH: 10
177 <212> TYPE: PRT
178 <213> ORGANISM: Bacteriophage T7
180 <400> SEQUENCE: 7
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183 1 5 10
186 <210> SEQ ID NO: 8
187 <211> LENGTH: 9
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189 <213> ORGANISM: Bacteriophage T7
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199 <212> TYPE: PRT
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202 <400> SEQUENCE: 9
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205 1 5 10
208 <210> SEQ ID NO: 10
209 <211> LENGTH: 39
210 <212> TYPE: PRT
211 <213> ORGANISM: phage SV40
213 <400> SEQUENCE: 10
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216 1 5 10 15
219 His Ser Thr Pro Pro Lys Lys Lys Arg Lys Val Glu Asp Pro Lys Asp
220 20 25 30
223 Phe Pro Ser Glu Leu Leu Ser
224 35
227 <210> SEQ ID NO: 11
228 <211> LENGTH: 38
229 <212> TYPE: PRT
230 <213> ORGANISM: phage SV40
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238 Ser Thr Pro Pro Lys Lys Lys Arg Lys Val Glu Asp Pro Lys Asp Phe
239 20 25 30
242 Pro Ser Glu Leu Leu Ser
243 35
246 <210> SEQ ID NO: 12
247 <211> LENGTH: 32

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Input Set : A:\Mirus.014.02.ST25.txt
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248 <212> TYPE: PRT
249 <213> ORGANISM: M9 Protein
251 <400> SEQUENCE: 12
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257 Pro Met Lys Gln Gly Gly Asn Phe Gly Gly Arg Ser Ser Gly Pro Tyr
258 20 25 30
261 <210> SEQ ID NO: 13
262 <211> LENGTH: 10
263 <212> TYPE: PRT
264 <213> ORGANISM: E1A Adenovirus
266 <400> SEQUENCE: 13
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269 1 5 10
272 <210> SEQ ID NO: 14
273 <211> LENGTH: 22
274 <212> TYPE: PRT
275 <213> ORGANISM: Nucleoplasmin
277 <400> SEQUENCE: 14
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280 1 5 10 15
283 Ala Lys Lys Lys Lys Leu
284 20
287 <210> SEQ ID NO: 15
288 <211> LENGTH: 14
289 <212> TYPE: PRT
290 <213> ORGANISM: c-myc
292 <400> SEQUENCE: 15
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299 <211> LENGTH: 4
300 <212> TYPE: PRT
301 <213> ORGANISM: Bacteriophage T7
303 <400> SEQUENCE: 16
305 Phe Ser Gln Val
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309 <210> SEQ ID NO: 17
310 <211> LENGTH: 4
311 <212> TYPE: PRT
312 <213> ORGANISM: endoplasmic reticulum proteins
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317 1
320 <210> SEQ ID NO: 18
321 <211> LENGTH: 4
322 <212> TYPE: PRT
323 <213> ORGANISM: Bacteriophage T7
325 <400> SEQUENCE: 18

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Input Set : A:\Mirus.014.02.ST25.txt
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327 Gln Val Thr Lys
328 1
331 <210> SEQ ID NO: 19
332 <211> LENGTH: 8
333 <212> TYPE: PRT
334 <213> ORGANISM: Bacteriophage T7
336 <400> SEQUENCE: 19
338 Val Val Val Glu Ser Val Pro Lys
339 1 5
342 <210> SEQ ID NO: 20
343 <211> LENGTH: 6
344 <212> TYPE: PRT
345 <213> ORGANISM: Bacteriophage T7
347 <400> SEQUENCE: 20
349 Ala Arg Pro Val Gln Lys
350 1 5
353 <210> SEQ ID NO: 21
354 <211> LENGTH: 8
355 <212> TYPE: PRT
356 <213> ORGANISM: Bacteriophage T7
358 <400> SEQUENCE: 21
360 Gln Leu Val Arg Val Ile Ser Arg
361 1 5
364 <210> SEQ ID NO: 22
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366 <212> TYPE: PRT
367 <213> ORGANISM: Bacteriophage T7
369 <400> SEQUENCE: 22
371 Gly Arg Leu Lys
372 1
375 <210> SEQ ID NO: 23
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383 1 5
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393 Val Thr Pro Gln Val Lys
394 1 5
397 <210> SEQ ID NO: 25
398 <211> LENGTH: 7
399 <212> TYPE: PRT
400 <213> ORGANISM: Bacteriophage T7
402 <400> SEQUENCE: 25

VERIFICATION SUMMARY

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